

# UNREVIEWED SAFETY ISSUE (USI)

## FOR BUILDING XXX

USI No.: **BXXX-###—Yr r**

### *Title*

Title of preparing organization, (e.g., Hazards Control Department)

*Date*

- ☐ This issue does not constitute a Safety Issue (all answers are no). The cognizant facility manager approves continued operation.
- ☐ This issue does constitute a Safety issue (one or more yes answers). The original authorizing office approves continued operation.

Prepared by:

	<i>Name</i> e.g., Safety Analyst	<i>Date</i>
Reviewed by		
	<i>Name</i> (e.g., Safety Analysis Technical Leader, Program Leader, Assurance Manager, adding lines as appropriate)	<i>Date</i>
Reviewed by		
	<i>Name</i> ES&H Team ## Leader	<i>Date</i>

***Shaded areas optional if there is not a Safety Question***

Operation  
approved by:

<i>Name</i> Facility Manager or Original Authorizing Office	<i>Date</i>
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September 1, 2000

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## Part I Introduction

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This Unreviewed Safety Issue is prepared because:

- ☐ A change of inventory or operations is proposed.
- ☐ A potential safety hazard is noted.
- ☐ Previous safety analyses were discovered to be inadequate.
  
- ☐ See Attachment for details of analysis and supporting documentation.
- ☐ No attachments.

**1. Describe the information being evaluated and the operation that it affects.**

**2. References used to perform the safety evaluation:**

*(Add or remove references as appropriate. Remove this instruction from USI.)*

SARA 00-26

LLNL EIS/EIR

FSPs, OSPs

*optional*

Existing Safety Analysis

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## Part II Impact on the Existing Operation

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**1. List existing controls and equipment that are affected by the new information. Identify any of these structures, systems, or components (SSCs) that are essential for protection of the public<sup>3</sup> or workers<sup>4</sup>**

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<sup>3</sup> Required to protect the public or prevent adverse environmental effects.

<sup>4</sup> Required to prevent acute worker fatality or serious injuries to workers.

2. Describe how the new information changes understanding of the ways in which the existing controls and equipment might fail.
3. Identify any previously analyzed or considered accidents that are affected by the changed failure modes.
4. Describe how these accidents are affected, including new means of initiation, changes in probability, and changes in consequence.

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### **Part III      Potential for a New Accident**

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1. Is a new type of accident possible?
2. Provide an appropriate analysis of the probability and consequence of the new accident.

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### **Part IV      Impact on the safety of operations<sup>5</sup>**

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1. Identify the safety limits<sup>6</sup> pertinent to the new information that are defined or assumed in the existing authorization basis.

*(Examples:    Radioactive or chemical inventory thresholds*

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<sup>5</sup> Safety of operations—separation between safety limits and facility operating limits used in existing safety analysis

<sup>6</sup> Safety limits—inventory safety limits, maximum safe operating parameters, personal protective equipment, maximum exposure limits, barriers, etc.

*Working pressure for pressure vessels*

*Exposure limits for radioactives or chemicals [TEELs]*

*Respirator specifications)*

2. **Describe how closely the existing operating conditions approach these safety limits.**

*(Examples: Ratio of threshold to operating inventory*

*Ratio of TEEL 1-hour definition to exposure duration [usually 4x]*

3. **Describe the impact of the changed accident scenario on the safety of the operation.**

4. **Identify any new safety limits needed to define the safety of operation in response to the new information.**

*(Examples: New TEEL or inventory limit for new chemical*

*New personal protective equipment specifications*

5. **Will there be any changes to the accelerator safety envelope (ASE)? What will they be?**

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## **Part V      Summary and Conclusions**

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<b>Summary Questions</b>	<b>Yes</b>	<b>No</b>
Is the probability of a safety system malfunction higher than previously expected? (Part II Item 2)	<input type="checkbox"/>	<input type="checkbox"/>
Are the probability or consequences of a previously analyzed accident increased? (Part II Item 4)	<input type="checkbox"/>	<input type="checkbox"/>
Is there potential for a new type of accident? (Part III)	<input type="checkbox"/>	<input type="checkbox"/>
Is the safety of operation decreased? (Part IV Item 3)	<input type="checkbox"/>	<input type="checkbox"/>
Are any new safety limits needed? (Part IV Item 4)	<input type="checkbox"/>	<input type="checkbox"/>
Are there any changes to the ASEs needed? (Part IV Item 5)	<input type="checkbox"/>	<input type="checkbox"/>

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